

ABSTRACT

2 A tester and related method test an xDSL transceiver unit-central office so as to measure
3 performance of a transceiver unit by automatically converting many output ports by connecting
4 a multiplexer to the xDSL transceiver unit. A transceiver unit-central office tester comprises: a
5 multiplexer for connecting all ports of a modem installed in a transceiver unit-central office, and.
6 for setting a link with a subscriber transceiver unit by selecting one of the ports of the modem
7 according to a link setup control signal; a line simulator for supplying types of lines designated
8 according to a test environment setup control signal and line states in accordance with a set noise;
9 and a tester for storing a set test environment from a user according to the set test environment,
10 for transmitting the link setup control signal having a link number for test to the multiplexer, for
11 transmitting a test environment setup control signal to the line simulator after designating the line
12 types and setting the noise, for activating a port to be tested by transmitting the link setup control
13 signal having the link number for test and a designated communication parameter value of the link
14 to the transceiver unit-central office, and for receiving and storing a link state from the transceiver
15 unit-central office.